

IN THE CLAIMS:

Please cancel claims 3-4, 7-8 and 29-33 without prejudice.

Please amend claims 1, 10-17 and 36 as follows:

1. (Currently Amended) An ultrasound catheter comprising:

a Y-connector having a distal end;

an elongate flexible catheter body having a proximal end connected to the distal end of the Y-connector, a distal end, and a main lumen extending longitudinally therethrough;

an ultrasound transmission member extending longitudinally through the main lumen of the catheter body, the ultrasound transmission member having a distal end positioned at the distal end of the catheter body; and

a guidewire lumen extending longitudinally through a portion of the main lumen and terminating in a guidewire port that is located at a position between the distal and proximal ends of the catheter body, and closer to the proximal end of the catheter body than to the distal end of the catheter body.

2. (Original) The device of claim 1, further including a Y-connector connected to the proximal end of the catheter body, with the guidewire port positioned adjacent the Y-connector.

3-9. (Canceled).

10. (Currently Amended) An ultrasound catheter comprising:

an elongate flexible catheter body having a proximal end, a distal end, and a main lumen extending longitudinally therethrough;

an ultrasound transmission member extending longitudinally through the main lumen of the catheter body, the ultrasound transmission member having a distal end positioned at the distal end of the catheter body; ~~[[and]]~~

a guidewire ~~[[lumen]] tube~~ extending longitudinally through a portion of the main lumen and positioned at about the center of the main lumen;

a guidewire positioned inside the guidewire tube; and
wherein the ultrasound transmission member is positioned outside the guidewire tube.

11. (Currently Amended) The catheter of claim 10, wherein the guidewire ~~[[lumen]] tube~~ terminates in a guidewire port that is adjacent the proximal end of the catheter body.

12. (Currently Amended) The catheter of claim 10, wherein the ~~catheter has a distal head, and wherein the~~ guidewire ~~[[lumen is defined by a guidewire]] tube~~ ~~[[that]]~~ is affixed to the distal head.

13. (Currently Amended) The catheter of claim 12, wherein the guidewire ~~[[lumen]] tube~~ is positioned at about the center of the distal head.

14. (Currently Amended) An ultrasound catheter comprising:
an elongate flexible catheter body having a proximal end, a distal head, and a main lumen extending longitudinally therethrough, the distal head having a bore with a proximal section and a distal section that has an inner diameter that is smaller than the inner diameter of the proximal section of the bore;
an ultrasound transmission member extending longitudinally through the main lumen of the catheter body, the ultrasound transmission member having a proximal end and a distal end positioned at the distal head of the catheter body; and
a guidewire ~~[[lumen]] tube~~ extending longitudinally through a portion of the main lumen, and into the proximal section of the bore of the distal head, the guidewire ~~[[lumen]] tube~~ terminating before the distal section of the bore of the distal head.

15. (Currently Amended) The catheter of claim 14, wherein the guidewire ~~[[lumen is defined by a guidewire]] tube~~ ~~[[that]]~~ is affixed to the distal head.

16. (Currently Amended) The catheter of claim 14, wherein the guidewire ~~[[lumen]] tube~~ has a proximal end and a distal end, and wherein the proximal end of the guidewire ~~[[lumen]] tube~~ terminates adjacent the proximal end of the catheter body and is affixed to the catheter body.

17. (Currently Amended) The catheter of claim 14, wherein the guidewire ~~[[lumen]] tube~~ has a proximal end and a distal end, and wherein the proximal end of the guidewire ~~[[lumen]] tube~~ terminates adjacent the distal end of the catheter body and is affixed to the catheter body.

18-35. (Canceled).

36. (Currently Amended) An ultrasound catheter comprising:

an elongate flexible catheter body having a proximal end, a distal end, and at least one lumen extending longitudinally therethrough;

an ultrasound transmission member extending longitudinally through the at least one lumen of the catheter body, the ultrasound transmission member having a proximal-~~most~~ end attached to sonic connector, and a distal end attached to the distal end of the catheter body; and

a sonic connector for connecting the ultrasound transmission member to an ultrasound generating device, the sonic connector having:

a distal bore to which the proximal-most end of the ultrasound transmission member is attached;

a central portion having a flat proximal face;

a threaded portion extending and spaced-apart from the flat proximal face, the threaded portion attached to the ultrasound generating device; and

wherein the distal bore terminates distal of the flat proximal face and the threaded portion.

37. (Original) The catheter of claim 36, further including a space between the threaded portion and the flat proximal face, with the face being free of any threads.

38-47. (Canceled).